

Title (en)

Control of an active system for vibration isolation

Title (de)

Steuerung eines aktiven Schwingungsisolierungssystems

Title (fr)

Contrôle d'un système actif pour l'isolation de vibrations

Publication

EP 1750192 A1 20070207 (DE)

Application

EP 05017138 A 20050805

Priority

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Abstract (en)

Controlling of an active vibration isolation system involves FPGA system (5) which consists of freely programmable gate arrays. A sensor controlling matrix computes axial signals in desired degrees of freedom by digital sensor signals depending on spatial arrangement of the vibration signal generators (2) and direction sensitivity. Output signal computation block computes digital actuator adjusting signal on the basis of axial output signal. A regulation cascade block for the axial signals contains several biquad filters in every row per degree of freedom, which shows a computation regulation with freely adjustable coefficient in order to supply axial output signals.

IPC 8 full level

G05D 19/02 (2006.01); **F16F 15/00** (2006.01)

CPC (source: EP US)

F16F 15/002 (2013.01 - EP US)

Citation (applicant)

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